

Tactical Air Operations Center (TAOC)

DESCRIPTION

The TAOC is comprised of several weapon systems that are in various stages of their life cycle. The individual systems include the AN/TYQ-23 (V) 1 Tactical Air Operations Module (TAOM), AN/TPS-59 (V) 1 and AN/TPS-63 air surveillance radar an interim Joint Tactical Information Data System (JTIDS) capable JTAOM utilizing a modified AN/TSC-131, and the Sector Antiair Warfare Facility (SAAWF). The AN/TYQ-23 (V) 1 will be upgraded to the AN/TYQ-23 (V) 4 and the ADCP is being considered as a replacement for existing interim JTIDS capability. The TAOC provides the equipment and organization necessary to plan, direct, and control tactical air operations, and to perform specified air space management tasks.

PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity: TAOM(V)4</i>	<i>(0)</i>	<i>0</i>
<i>TPS-59(V)3</i>	<i>(0)</i>	<i>0</i>

OPERATIONAL IMPACT

The TAOM(V)4 or Operator Console Upgrade (OCU) is a reliability centered engineering change that replaces the existing operator console and provides a commercial interface to external networks. The OCU introduces GCCS functionality and windows-based man-to-machine interface. JTIDS was initially integrated through an interim JTIDS Module (JTAOM) configuration. It will be upgraded to a common TACC/TAOC solution by incorporating the AN/TYQ-82, HMMWV mounted JTIDS shelter. In a related effort, the AN/TPS-59 is upgraded to the (V) 3 configuration which incorporates a Theater Ballistic Missile (TBM) detection and tracking capability. TBM early warning and track data is disseminated to the theater via the Air Defense Communications Platform. The Navy's Cooperative Engagement Capability (CEC) is also planned to interface with both the AN/TPS-59 (as a contributor) and the TAOC (as a user) and support the establishment of a Single Integrated Air Picture. Finally; in response to a growing low altitude, cruise missile threat, the AN/MPQ-62, Continuous Wave Acquisition Radar (CWAR) will be integrated into the TAOC to enhance low altitude surveillance for Marine Corps SHORAD units.

PROGRAM STATUS

During FY97 the OCU Upgrade EMD prototypes were delivered and tested by means of a Field User Evaluation by the FMF. A Milestone III and a production contract were awarded in FY98. Initial fielding will begin the in FY00 and finish in FY01. Also during FY97 the TDCP EMD

prototypes were delivered. The TDCP underwent a successful IOT&E in FY98. The TDCP is preparing for a FY99 Milestone III decision. The SAAWF was fielded in FY96 and upgraded in FY98 to extend TAOM voice communications to operator positions. A future Combat Integration Capability/ SAAWF configuration is being developed under a joint Air Force/Marine Corps initiative.

DEVELOPER/MANUFACTURER

AN/TYQ-23(V)4 OCU Upgrade - Litton Data Systems

AN/TYQ-82 TDCP - Litton Data Systems

AN/TYQ-87 SAAWF w/Voice - MCTSSA / Litton Data Systems

MTS Radar Interface - Litton Data Systems

AN/TPS-59 (V) 3 Upgrade - Lockheed Martin